REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

SBR - 39/17-18
No. B dt - 30/6/17
262829

Serial No. I^st and Final Bill
Name of Work ... Improvement to road drain and footpath in cross roads of From ... To ...
Name of Contractor of nature of Agency ... BCC Enclave layout in ward no. 08. Kodigehalli
Date of commencement of work ...

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estt. Cost :- Rs. 25,00,000/- Job code no :- 008-17-000034 As/No :- AS/CE(YNK)/01/2016-17, dt: 06/04/2017 TS/No :- TS/CE(YNK)/01/2017-18, dt: 06/04/2017. Work order no :- BBMP/EE/BTP/WO/29/2017-18, dt: 19/04/2017. Agency :- KRIDL (W) Date of completion :- Removing and refixing stone slabs of drain and Pointing in CM. (1:3)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	= Qty vide Premeasurement ref TMB page No: 2628 21/2						
	874.80 m² @ Rs. 80.56/sqm					Rs. 70474.00	
2)	Earthwork Excavation by manual means in ordinary soil including arranging horizontal strata upto 2 metres and arranging like upto 1.5m. Excavated surface levelled and sides neatly dressed. Earth to be levelled neatly after breaking of clods, complete as per specifications.						
	= Qty vide Premeasurement ref TMB page No: 2628 22/2						
	72.90 m³ @ Rs. 86.92/cum					Rs. 6336.00	
3)	Providing and laying in position plain cement concrete of mix						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	1:3:6 with OPC cement graded granite metal aggregate @ 0.465 cum. per layer not exceeding 15 including cost of all complete as per specifications	
	= Qty v	
		2
4)	providing and	

Contents	Reference to last Measurement
7	8
ref TMB	
31/2	
Sqm Rs. 70474.00	
dinary soil including an charge like ubbly drumk tree di- loving of cloth complete	
ref TMB	
31/2	
m Rs. 6336.00	
mm concrete of mix	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262830

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1:3:6 with 8pc cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregate @ 0.892 cum, and fine aggregate @ 0.465 cum. using mixed, machine. concrete laid in layers not exceeding 15 cm. thick well compacted in foundation including cost of all material, labour, Hire of machinery complete as per specification.						
	= Qty vide premeasurements ref TMB Page No: 262873						
	29.16 m³ @ Rs. 5348.76/cum Rs. 155970.00						
4)	providing and constructing load bearing wall with solid concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	blocks of size 400×200×200 mm having block density not less than 1800 kg/m³ and having a minimum average compressive strength 4.00 N/mm² conforming to IS 2185 (Part) : 2005, and constructed with CM 1:4, as per IS 2572:2005, including cost of all materials, labour, charges, scaffolding, curing complete as per specification.						
	= Qty vide previous page No. 267873/2						
	291.60 m² @ Rs. 993.22/sqm Rs. 289623.55						
5)	providing and constructing non load bearing wall with solid concrete blocks of size 400×100×200 mm having block density not less than 1800 kg/m³ and having a minimum average compressive strength						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	4.00 N/mm² conforming to 1:4, as per IS 2572:2005 scaffolding, curing, comple	
	= Qty vide	
		291
6)	providing and laying in M25 with 20% cement @ granite metal coarse aggr	
	superplasticizer @ 3%, conform	

OK

Depth 6	Contents 7	Reference to last Measurement 8
...cks density mix ...ange, compressive strength ...: 2005, and constructed ...luding cost of all ...ing complete as per ...		
...ty vide TMB ...873/2		
...993.72/sqm Rs. 289623.60		
...scaling work with solid ... having blocks density not ...ange compressive strength ...		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262831

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	4.00 N/mm² confirming to IS 2185 (Part 2) : 2005 and constructed with CM 1:4, as per IS 2572 : 2005 including cost of all materials, labour charges, scaffolding, curing, complete as per specifications.						
	= Qty vide fr measurement ref TMB Page No : 26287						
		291.60 m²			@ Rs. 758.96/sqm		Rs. 221313.60
6)	providing and laying in position reinforced cement concrete of design mix M35 with 20 mm nominal size graded granite metal coarse aggregate @ 0.70 cum, and fine aggregate @ 0.47 cum with manufacturing @ 3% wastage, as per IS 9103 - 1999 reaffirmed - 2008, machine						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mixed, concrete laid in for all kinds in ground floor, and beam, retaining walls, including attached plasters, laying courses, parapet, coping, cills, fillet &c. including machine, curing, complete, as per specification.	Rampwalls exceeding 15 cm. thick, vibrated = Qty vide Premeasurement ref T.M.B Page No: 262 875/2					
	7) providing and fixing 450x200 & 400mm. wide plastering and finishing.	10.9444 3 22.72 m precast				Qty. 6749.02 cum Rft. solid concrete kerb stone of six curing &c. complete.	153338 15330 4.00 4380.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	2x 103/0.45 = 458.00 2x 118/0.45 = 524.00 60/0.45 = 67 deduct for sho	
8)	wrought iron and beam. tees and cha	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
...ub exceeding 15 cm. thick, vibrated ...d for roofs, slabs, staircase, lintels, ...y walls, walls (any thickness) pillars, posts, steels, beams, string or ...blocks, arches, stacks, plain window, ...of all materials, labour, hire of ...excluding, cost of reinforcement etc				
Premeasured ~~ref~~ T.M.B. Page No: 262875/2				153338
...Rft. 6749.00/cum Rft.				153304.00 ~~13801.00~~
...solid concrete lean ~~floors~~ of six ...CC 1:2:4 and finished with CM 1:3 ...complete.				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262832

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2 x 103/0.45 = 458.00	458			=	458.00	
	2 x 118/0.45 = 524.00	524			=	524.00	
	60/0.45 = 67	67			=	67.00	
		342				1116.00	
	deduct for shoulder drain				=	33.00	
						1083.00 Rft.	
					Rft. 385.84/Rft.	Rft. 417865.00	
8/	wrought iron and mild steel welded work (ungr. angle, square bars, tees and channels, joists, gratings, trays, gates and truss						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	gauge of any size and design &c, including cost of screws and welding rods or bolts, and nuts complete fixed in position, such without the cost of excavation and cement for fixing which will be paid separately complete as per specification						
	33					= 33.0	
						33.0	
	33 * 0.45 * 0.45 * 11.0					= 167.06	
						1.67 Quintal	644
						@ Rs. 385.84/Quintal Rs. 644.0	
9]	Providing and applying ready mix priming coat over cement/ asbestos cement sheet/ plastered surface, including preparing the surface after thoroughly cleaning of oil grease dirt and other						

M. A. R
Meas

Serial No. .....
Name of Work ..... From....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	foreign matter, and hand pa complete as per specification.	
	For beam	
		2 x 1
		2 x 1
		2 x 1
		1 x 1
		1 x 1
		1 x 1

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		= 33.0	
		33.0	
		+ 0.45 x 33.0 = 167.06	
		1.67 Quintal	6.44
		@ Rs. 385.84/Quintal Rs. 6445.0	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262833

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	foreign matter, and hard flaking, including cost of materials, labour complete as per specifications.						
	For beef	2 x 1	103.00	x	0.40 =	82.40	
		2 x 1	118.0	x	0.40 =	94.40	
		2 x 1	12.0	x	0.40 =	4.80	
		1 x 1	12.0	x	0.40 =	4.80	
		1 x 1	20.0	x	0.40 =	8.0	
		1 x 1	16.0	x	0.40 =	6.40	
						200.80 sqm	
				@ Rs 27.56/sqm		Rs 5534.0	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Providing and applying spray painting in two coats (excluding priming coat) over cement / masonry / plastered surface with plain wall paint of approved brand to give even surface after cleaning the surface of all dirt, dust and other foreign matter and sand papering, including cost of materials, labour, complete as per specification. Qty vide sam = item no (9) 200.80 mt @ Rs. 69.96/sqm Rs. 14048.0						
11)	Loading and unloading of stone boulder / stone aggregate / sand / earth / moorum : Placing tipper or loading power shovel for loading, Lorry dumping, turning for return trip, excluding time of loading and return trip, complete as per specification. North -100/ chapter -1						

M. A. R. 57 (
Measurem

Serial No. ..... From.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Leng
1	2	3	4
	Lead for disposal of debris mechanical mean including, Load lorry etc, complete as per spec	= Qty vide	Stru
	Historical debris →	= 6×1	4
		4×1	5.
		2×1	4.

NT BOOK

mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
painting in two coats (excluding / ghotting, cornice & cleat / plastered — approved brand to give even ee finish, dust and other foreign cost of materials, labour, complete			
= item no (9)			
Rft. 69.96/sqm Rs. 14068.00			
e boulder / stone aggregate / sand/ loading, pouring, curing, transporting, excluding, time of handing and ing, mortar - 100/ chapter - 1			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262834

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	lead for disposal of debris mechanical mean including, loading and unloading, from 0.00 to 10.00 km lift, complete as per specification. shall be payable at carriage rate by						
	= Qty vide Item no. (1)					= 72.90 m³	
	Historical debris =	6×1	4.50	2.50	1.20	= 81.00	
		4×1	5.00	1.50	1.00	= 30.00	
		2×1	4.00	1.80	0.80	= 11.52	
						195.42 m	
				Qty 106.00/cum		Rs	20714.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12)	Providing granite slabs of selected quality roughly dressed and fixed in a six of 10 mm thick and fixed in cement mortar (1:3) including dressing complete;						
	=	2	30.0	x	1.20 =	72.0	
		2	30.0	x	1.20 =	72.0	
		2	30.0	x	1.20 =	72.0	
		2	13.0	x	1.20 =	31.20	
	=	2	30.0	x	1.20 =	72.00	
		2	30.0	x	1.20 =	72.0	
		2	30.0	x	1.20 =	72.0	
		2	28.0	x	1.20 =	67.20	
		1	12.0	x	1.20 =	14.40	

CAFC ₹ 30/00

M. A. R
Meas

Serial No. .....
Name of Work ..... From...
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1 x 1
		1 x 1
		1 x 1
13)	Providing chamfering edges	
	Kerbs (only chamfered	
	103/0.60 x 2 =	343

CAFC ₹ 30/00

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
			selected quality roughly dressed stones and laid in cement mortar	
			complete	
.0	x	1.20	= 72.0	
.0	x	1.20	= 72.0	
.0	x	1.20	= 72.0	
.0	x	1.20	= 31.20	
.0	x	1.20	= 72.00	
.0	x	1.20	= 72.0	
0	x	1.20	= 72.0	
.0	x	1.20	= 67.20	
.0	x	1.20	= 14.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 262835

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1×1	12.0	x	1.20	= 14.40	
	CRFC 30/04	1×1	16.0	x	1.20	= 19.20	
		1×1	20.0	x	1.20	= 24.0	
						602.40 sqm	
						@ Rs. 825.74/ sqm Rs. 4,97,426.0	
	(3) Providing chamfering edges to					stone slab 2.5 cm wide as per speci-	
	fication (each chamfered length shall be recorded)						
	103/0.60×2 =	343	x	3.60	=	1234.80	
	CRFC 30/04						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	118/0.60 x 2 =	393	x	3.60	=	1414.80	
	60/0.60 x 1 =	100	x	3.60	=	360.00	
						3009.60 mtr	
					@ Rs 37.10/mtr	Rs. 111656.00	
14)	providing machine cutting for B.S kgs including all lead and lift as per direction of Engineer in charge of work						
	Qty vide same as item no (13)						
		3009.60 Mtr			@ Rs. 60.00/Mtr	Rs 180576.00	
15)	providing 18 mm thick cement plaster in single coat with						

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	cement mortar 1:6 to bri	
	comm. where required, th	
	scaffolding, including cost	
	as specification =	Qty as
		583.40
	Add for PWD Charges 8% +	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P..

OOK

Depth 6	Contents 7	Reference to last Measurement 8
=	1414.80	
=	360.00	
	3009.60 mtr	
	Rs. 111656.00	
	all lead charge of sand	
	item no (13)	
	60.00/Brass Rs	180576.00
	r in single coat with	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

262836

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	cum mortar 1:6, to brick masonry including roundg off comm. edges reqrd, smooth finishg. providg and removg scaffoldg, including cost of materials, labour, tools complete as per specification = Qty vide page 5 ~~AD 2623.76~~ 2628.76 ~~603.40~~ 583.80 sqm Rs. 209.88/sqm					(12) entered in this MB under page ID NO 485.	122372.00 ~~12643.20~~ ~~2271916.00~~ ~~22878.56~~ ~~2294794.56~~ ~~2294795.00~~ ~~2257.85~~ ~~2499107.00~~ 2494641.80
	Add LC RDL Charges 8% + 1% Labour cess + 1% SC Charges					Total Rs 2267890-00 LC Charges Rs 204110-00 Grand Total Rs 24,72,000-00	

Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

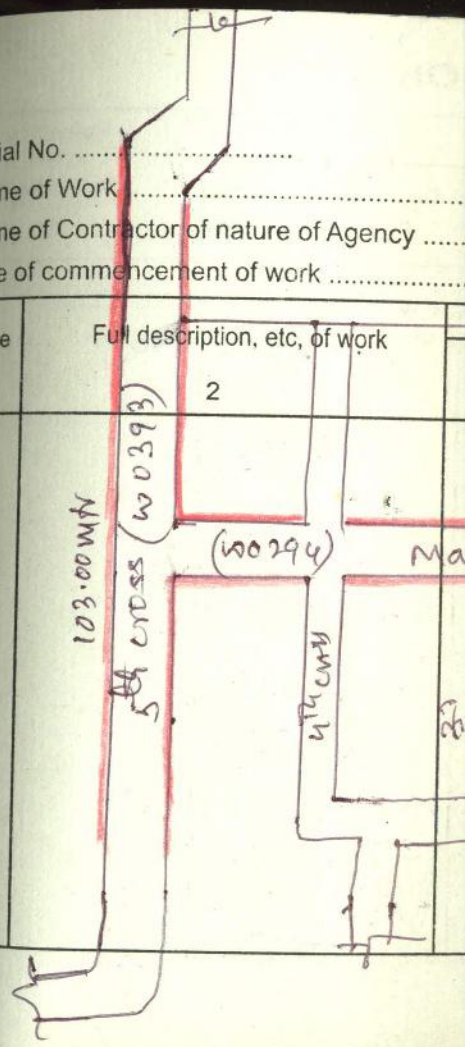
27/4/19

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	~~A~~ cubically 1) work done is satisfactorily 2) All debris clearance from the work spot using contractor own vehicle. 27/4 Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

b slab using conbraflor

ecutive Engineer.
li Sub Division,
Zone, B.B.M.P.,
ngalore.

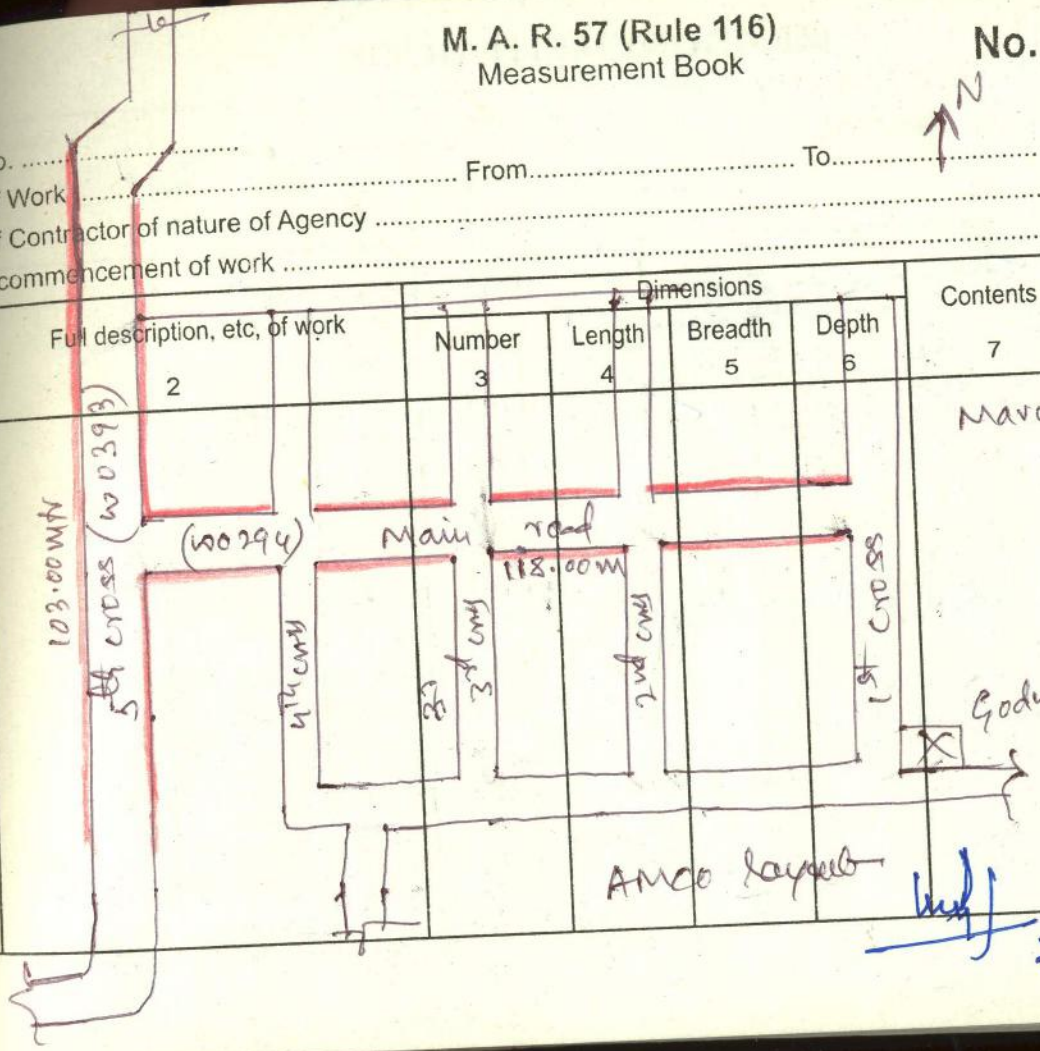
M. A. R. 57 (Rule 116)
Measurement Book

No. B

262837

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



Maruthinagara.

27/4
Assistant Executive Engin
Kodigehalli Sub Divisio

BR/159/30.6.17.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2472000-ಒ ಗಳನ್ನು ಕಾಮು ಮಾಡಿದ ಇದಕ್ಕೆ ರೂ 331248-ಒ 2140752-ಒ ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು Rs. Twenty one lakh forty thousand seven hundred fifty two only. ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧಿಕಾರಿ ಬ್ಯಾಡರಾಯನಪುರ ಉಪ ದಿನಾಂಕ 30/6.					Total Rs: 2472.000 ಒ IT- 49440-ಒ VAT- 98880-ಒ Cess- 24720-ಒ EBF- 2472-ಒ LR- 32136-ಒ FSD- 123600-ಒ Adj- 331248-ಒ Charges: 2140752-ಒ	

M. A
Me

Serial No. .....

Name of Work ..... Fron

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3